

# Hui Peng

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,301  
citations

218677

26  
h-index

233421

45  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3226  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Robust Artificial Synapse Based on Organic Ferroelectric Polymer. <i>Advanced Electronic Materials</i> , 2019, 5, 1800600.	5.1	129
2	Integrated analysis of long non-coding RNA-associated ceRNA network reveals potential lncRNA biomarkers in human lung adenocarcinoma. <i>International Journal of Oncology</i> , 2016, 49, 2023-2036.	3.3	115
3	Aggregation induced red shift emission of phosphorus doped carbon dots. <i>RSC Advances</i> , 2017, 7, 32225-32228.	3.6	113
4	Integrated analysis of long non-coding RNA competing interactions reveals the potential role in progression of human gastric cancer. <i>International Journal of Oncology</i> , 2016, 48, 1965-1976.	3.3	110
5	A glassy carbon electrode modified with MoS <sub>2</sub> nanosheets and poly(3,4-ethylenedioxythiophene) for simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. <i>Mikrochimica Acta</i> , 2016, 183, 2517-2523.	5.0	104
6	CarNAC4, a NAC-type chickpea transcription factor conferring enhanced drought and salt stress tolerances in Arabidopsis. <i>Plant Cell Reports</i> , 2016, 35, 613-627.	5.6	91
7	Traditional Chinese medicine combined with pulmonary drug delivery system and idiopathic pulmonary fibrosis: Rationale and therapeutic potential. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111072.	5.6	77
8	The sensitivity of forest water use to the timing of precipitation and snowmelt recharge in the California Sierra: Implications for a warming climate. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2013, 118, 875-887.	3.0	73
9	Tumor-penetrating Peptide Conjugated and Doxorubicin Loaded T <sub>1</sub> -T <sub>2</sub> Dual Mode MRI Contrast Agents Nanoparticles for Tumor Theranostics. <i>Theranostics</i> , 2018, 8, 92-108.	10.0	69
10	Ultralow-Power Machine Vision with Self-Powered Sensor Reservoir. <i>Advanced Science</i> , 2022, 9, e2106092.	11.2	68
11	Prediction of estuarine water quality using interpretable machine learning approach. <i>Journal of Hydrology</i> , 2022, 605, 127320.	5.4	65
12	Highly Efficient Cool-White Photoluminescence of (Gua) <sub>3</sub> Cu <sub>2</sub> I <sub>5</sub> Single Crystals: Formation and Optical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13443-13451.	8.0	63
13	Characterization of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /Gd <sub>2</sub> O(CO <sub>3</sub> ) <sub>2</sub> core/shell/shell nanoparticles as T <sub>1</sub> and T <sub>2</sub> dual mode MRI contrast agent. <i>Talanta</i> , 2015, 131, 661-665.	5.5	60
14	Dysregulated lncRNA-UCA1 contributes to the progression of gastric cancer through regulation of the PI3K-Akt-mTOR signaling pathway. <i>Oncotarget</i> , 2017, 8, 93476-93491.	1.8	57
15	Short-term prediction of groundwater level using improved random forest regression with a combination of random features. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	53
16	(C <sub>16</sub> H <sub>28</sub> N) <sub>2</sub> SbCl <sub>5</sub> : A new lead-free zero-dimensional metal-halide hybrid with bright orange emission. <i>Science China Materials</i> , 2022, 65, 1594-1600.	6.3	53
17	Ferroelectric Synaptic Transistor Network for Associative Memory. <i>Advanced Electronic Materials</i> , 2021, 7, 2001276.	5.1	52
18	Differential expression profiles of microRNAs as potential biomarkers for the early diagnosis of lung cancer. <i>Oncology Reports</i> , 2017, 37, 3543-3553.	2.6	51

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19	Pure White Emission with 91.9% Photoluminescence Quantum Yield of [(C <sub>3</sub> H <sub>7</sub> ) <sub>4</sub> N] <sub>2</sub> Cu <sub>2</sub> I <sub>4</sub> out of Polaronic States and Ultra-High Color Rendering Index. ACS Applied Materials & Interfaces, 2022, 14, 12395-12403.	8.0	47
20	Chlorogenic acid: Potential source of natural drugs for the therapeutics of fibrosis and cancer. Translational Oncology, 2022, 15, 101294.	3.7	44
21	Highly Stable Waterborne Luminescent Inks Based on MAPbBr <sub>3</sub> @PbBr(OH) Nanocrystals for LEDs and Anticounterfeit Applications. ACS Applied Materials & Interfaces, 2021, 13, 20622-20632.	8.0	42
22	Indolo[3,2,1-jk]carbazole Derivatives-Sensitized Solar Cells: Effect of ð Bridges on the Performance of Cells. Journal of Physical Chemistry C, 2014, 118, 14211-14217.	3.1	41
23	Organometal halide perovskite nanocrystals embedded in silicone resins with bright luminescence and ultrastability. Journal of Materials Chemistry C, 2017, 5, 12044-12049.	5.5	36
24	Effects of Electron-Phonon Coupling and Spin-Spin Coupling on the Photoluminescence of Low-Dimensional Metal Halides. Journal of Physical Chemistry Letters, 2022, 13, 1752-1764.	4.6	34
25	Facile Synthesis of 3d Transition-Metal-Doped Zn-Co(OH) <sub>2</sub> Nanomaterials in Water-Methanol Mediated with Ammonia for Oxygen Evolution Reaction. ACS Omega, 2019, 4, 16612-16618.	3.5	33
26	Assessment of the hydrodynamics role for groundwater quality using an integration of GIS, water quality index and multivariate statistical techniques. Journal of Environmental Management, 2020, 273, 111185.	7.8	31
27	Stretchable and self-healable organometal halide perovskite nanocrystal-embedded polymer gels with enhanced luminescence stability. Nanophotonics, 2018, 7, 1949-1958.	6.0	27
28	A general catalyst for Suzuki-Miyaura and Sonogashira reactions of aryl and heteroaryl chlorides in water. Organic and Biomolecular Chemistry, 2014, 12, 6944-6952.	2.8	25
29	Switch on or switch off: An optical DNA sensor based on poly(p-phenylenevinylene) grafted magnetic beads. Biosensors and Bioelectronics, 2012, 35, 498-502.	10.1	24
30	High-stability fluorescent perovskites embedded in PbBrOH triggered by imidazole derivatives in water. Journal of Materials Chemistry C, 2020, 8, 5594-5599.	5.5	24
31	Molecular Cloning and Characterisation of Genes Coding for Glycine- and Proline-Rich Proteins (GPRPs) in Soybean. Plant Molecular Biology Reporter, 2012, 30, 566-577.	1.8	23
32	One-pot aqueous synthesis of gadolinium doped CdTe quantum dots with dual imaging modalities. Talanta, 2016, 155, 14-20.	5.5	21
33	Hydrogenation Dynamics of Electrically Controlled Metal-Insulator Transition in Proton-Gated Transparent and Flexible WO <sub>3</sub> Transistors. Advanced Functional Materials, 2019, 29, 1902497.	14.9	21
34	History of uses, phytochemistry, pharmacological activities, quality control and toxicity of the root of Stephania tetrandra S. Moore: A review. Journal of Ethnopharmacology, 2020, 260, 112995.	4.1	21
35	Single-Composition White Light Emission from Dy <sup>3+</sup> Doped Sr <sub>2</sub> CaWO <sub>6</sub> . Materials, 2019, 12, 431.	2.9	20
36	A new method of the relative membership degree calculation in variable fuzzy sets for water quality assessment. Ecological Indicators, 2019, 98, 515-522.	6.3	20

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37	An Eco-Hydrological Model-Based Assessment of the Impacts of Soil and Water Conservation Management in the Jinghe River Basin, China. <i>Water (Switzerland)</i> , 2015, 7, 6301-6320.	2.7	19
38	High-performance supercapacitor electrode based on a nanocomposite of polyaniline and chemically exfoliated MoS <sub>2</sub> nanosheets. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2071-2077.	2.5	18
39	Highly Efficient Broadband Green Emission of (TPA)CuCl <sub>2</sub> Single Crystals: Understanding the Formation of Self-Trapped States. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8545-8552.	3.1	18
40	Topographic controls on ecosystem evapotranspiration and net primary productivity under climate warming in the Taihang Mountains, China. <i>Journal of Hydrology</i> , 2020, 581, 124394.	5.4	17
41	Analysis of urea nitrogen leaching under high-intensity rainfall using HYDRUS-1D. <i>Journal of Environmental Management</i> , 2022, 312, 114900.	7.8	16
42	Effect of counter anions on ferroelectric properties of diisopropylammonium <sup>+</sup> based molecular crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700029.	1.8	15
43	An efficient indenyl-derived phosphine ligand for the Suzuki–Miyaura coupling of sterically hindered aryl halides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4664-4668.	2.8	14
44	Transparent PVDF/TrFE/Graphene Oxide Ultrathin Films with Enhanced Energy Harvesting Performance. <i>ChemistrySelect</i> , 2017, 2, 7951-7955.	1.5	14
45	Evaluating the eco-hydrologic impacts of reforestation in the Loess Plateau, China, using an eco-hydrologic model. <i>Ecohydrology</i> , 2016, 9, 498-513.	2.4	13
46	Analysis of numerical simulations and influencing factors of seasonal manganese pollution in reservoirs. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14362-14372.	5.3	13
47	Comprehensive analysis of a novel lncRNA profile reveals potential prognostic biomarkers in clear cell renal cell carcinoma. <i>Oncology Reports</i> , 2018, 40, 1503-1514.	2.6	13
48	The relationship between MUC5B promoter, TERT polymorphisms and telomere lengths with radiographic extent and survival in a Chinese IPF cohort. <i>Scientific Reports</i> , 2019, 9, 15307.	3.3	13
49	A New Risk Assessment System Based on Set Pair Analysis “ Variable Fuzzy Sets for Underground Reservoirs. <i>Water Resources Management</i> , 2019, 33, 4997-5014.	3.9	13
50	Analysis of runoff generation driving factors based on hydrological model and interpretable machine learning method. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101139.	2.4	13
51	Formation and dispersion of organometal halide perovskite nanocrystals in various solvents. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 575-581.	9.4	12
52	Highly Luminescent Copper(I) Halide Phosphors Encapsulated in Fumed Silica for Anti-Counterfeiting and Color-Converting Applications. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	12
53	Luminescent Nanofluids of Organometal Halide Perovskite Nanocrystals in Silicone Oils with Ultrastability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27244-27251.	8.0	11
54	Size-controlled synthesis of hierarchical bismuth selenide nanoflowers and their photocatalytic performance in the presence of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	10

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55	FGFR leads to sustained activation of STAT3 to mediate resistance to EGFR-TKIs treatment. <i>Investigational New Drugs</i> , 2021, 39, 1201-1212.	2.6	9
56	The Regional Hydro-Ecological Simulation System for 30 Years: A Systematic Review. <i>Water (Switzerland)</i> , 2020, 12, 2878.	2.7	8
57	Self-Assembly of Methyl Substituted Polyaniline Hollow Nanospheres in a Polyelectrolyte Solution. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 602-608.	3.4	7
58	ADLD: A Novel Graphical Representation of Protein Sequences and Its Application. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-15.	1.3	7
59	A chickpea NAC-type transcription factor, CarNAC6, confers enhanced dehydration tolerance in <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2017, 35, 83-96.	1.8	7
60	Static phase transfer catalysis for Williamson reactions: Pickering interfacial catalysis. <i>Catalysis Science and Technology</i> , 2019, 9, 3445-3453.	4.1	7
61	H <sub>2</sub> O <sub>2</sub> decomposition catalyzed by strontium cobaltites and their application in Rhodamine B degradation in aqueous medium. <i>Journal of Materials Science</i> , 2019, 54, 8216-8225.	3.7	7
62	Multiresponsive Behavior of Functional Poly(p-phenylene vinylene)s in Water. <i>Polymers</i> , 2016, 8, 365.	4.5	6
63	Amorphous ZrO <sub>2</sub> Tunnel Junction Memristor With a Tunneling Electroresistance Ratio Above 400. <i>IEEE Electron Device Letters</i> , 2021, 42, 696-699.	3.9	6
64	Achieving efficient and secure range query in two-tiered wireless sensor networks. , 2014, , .		5
65	Vertical zonality of the water cycle and the impact of land-use change on runoff in the Qingshui River Basin of Wutai Mountain, China. <i>Hydrological Sciences Journal</i> , 2019, 64, 2080-2092.	2.6	5
66	Assessing water renewal of the northern coastal zone in China using a variable fuzzy pattern recognition model. <i>Journal of Hydroinformatics</i> , 2010, 12, 339-350.	2.4	4
67	Polyanion modulated evolution of perovskite BiFeO <sub>3</sub> microspheres to microcubes by a microwave assisted hydrothermal method. <i>Journal of Materials Research</i> , 2013, 28, 1498-1504.	2.6	4
68	Facile preparation of rare-earth semiconductor nanocrystals and tuning of their dimensionalities. <i>RSC Advances</i> , 2015, 5, 86885-86890.	3.6	4
69	Luminescent carbon nanoparticles as a donor for the FRET-based detection of oligonucleotide hybridization. <i>RSC Advances</i> , 2014, 4, 25201-25204.	3.6	3
70	Differentially private density estimation via Gaussian mixtures model. , 2016, , .		3
71	Electric field control of magnetism in nickel with coaxial cylinder structure at room temperature by electric double layer gating. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10609-10614.	5.5	3
72	Synthesis, Structure and Properties of Formamidine-templated Metal Formate Crystals. <i>Crystal Research and Technology</i> , 2017, 52, 1700195.	1.3	3

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73	Ferroelectric Synapses: A Robust Artificial Synapse Based on Organic Ferroelectric Polymer (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	5.1	3
74	Contact force within electrospun nanofiber core-spun yarns and moisture management ability of their fabrics. Journal of the Textile Institute, 0, , 1-13.	1.9	3
75	Preparation of $\text{Fe-Co(OH)}_2\text{/MWCNTs-COOH}$ nanocomposites and their application for supercapacitors. Journal of Materials Science: Materials in Electronics, 2021, 32, 13941-13947.	2.2	2
76	High-efficiency synthesis of Cu superfine particles via reducing cuprous and cupric oxides with monoethanolamine and their antimicrobial potentials. Journal of Colloid and Interface Science, 2022, 608, 749-757.	9.4	2
77	Application of Modified Streeter-Phelps Model and COD Changing Model to Xiangxi River in Three Gorges Reservoir Area. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
78	Design and synthesis of pyromellitic diimide-based donor-acceptor conjugated polymers for photovoltaic application. Polymers for Advanced Technologies, 2014, 25, 809-815.	3.2	1
79	New Approaches to Obtain Reliable Slope Mechanical Parameters under Condition of Limited Samples and Monitored Data. , 2010, , .		0
80	A new 2D graphical representation of protein sequence and its application. International Journal of Biomathematics, 2015, 08, 1550063.	2.9	0
81	DPListCF: A differentially private approach for listwise collaborative filtering. , 2016, , .		0